

Converting Colors

XYZ(12.2204, 4.9797, 64.0694)

Have a look what the booklet for
XYZ(12.2204, 4.9797, 64.0694)
contains.

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Color

**XYZ(12.1919, 4.9636,
63.9338)**

Conversions

Conversions Part 1

Format	Color
Hex	0005D6
RGB	0, 5, 214
RGB Percent	0%, 2%, 84%
CMY	0.9998, 0.9805, 0.1608
CMYK	1.00, 0.98, 0.00, 0.16
HSL	239°, 100%, 42%
HSV	239°, 100%, 84%
XYZ	12.1919, 4.9636, 63.9338
YIQ	27.3310, -70.0690, 63.9390

Conversions

Conversions Part 2

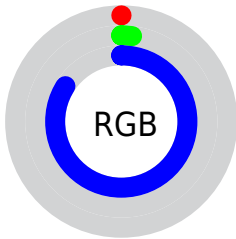
Format	Color
RYB	0, 5, 214
Decimal	1494
CIELab	26.63, 68.41, -93.97
CIELCh	27, 116.237, 306.053
Yxy	4.9636, 0.1504, 0.0612
Android (android.graphics.Color)	4278191574 (0xFF0005D6)
YUV	27.3310, 92.0278, -23.9693
Hunter-Lab	22.2791, 58.6928, -154.5474

Details

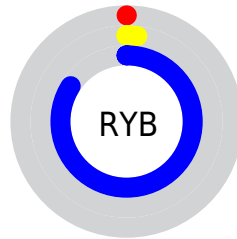
The XYZ color **12.1919, 4.9636, 63.9338** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **50.5499, 59.9322, 8.9054**, and the grayscale version is **1.0113, 1.0640, 1.1587**.

A 20% lighter version of the original color is **26.3638, 14.4855, 96.0142**, and **6.0858, 2.4343, 32.0474** is the 20% darker color. If you saturate the color by 10%, you get **12.1912, 4.9621, 63.9338**, and if you desaturate by 10%, it is **12.8236, 5.7534, 64.0532**.

Distribution



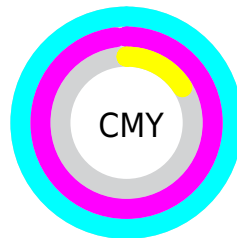
- Red (0%)
- Green (2%)
- Blue (84%)



- Red (0%)
- Yellow (2%)
- Blue (84%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (98%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1919, 4.9636, 63.9338 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.1919, 4.9636, 63.9338 by changing the saturation by 10% instead.

■ 12.1919, 4.9636,
63.9338

■ 12.1919, 4.9636,
63.9338

199.4157,
149.4718, 457.1514

■ 6.9476, 2.2259,
46.1512

■ 29.4580, 15.7395,
112.1141

■ 3.4754, 0.7341,
32.0156

■ 42.2105, 24.5464,
143.3490

■ 1.4099, 0.0000,
21.1085

■ 58.1965, 36.1453,
179.9050

■ 0.2632, 0.0000,
13.0113

■ 77.7812, 50.9205,
222.2007

■ 0.0000, 0.0000,
7.3055

■ 101.3302, 69.2563,
270.6547


■ 0.0000, 0.0000,
3.5726


■ 129.2087, 91.5372,


■ 0.0000, 0.0000,


325.6854


1.3939

 161.7821,
118.1476, 387.7115

 0.0000, 0.0000,
0.1370

 0.0000, 0.0000,
0.0000


 12.1919, 4.9636,
63.9338


 12.1919, 4.9636,
63.9338

 12.1912, 4.9621,
63.9338

 12.8236, 5.7534,
64.0532

 14.1362, 7.3823,
64.2984

 16.3178, 10.0521,
64.6987

 19.4837, 13.8973,
65.2741

■ 23.7316, 19.0323,
66.0414

■ 29.1474, 25.5581,
67.0155

■ 35.8086, 33.5654,
68.2100

■ 43.7856, 43.1376,
69.6372

■ 53.1441, 54.3516,
71.3084

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



5.7262, 4.9636, 92.0197



12.1919, 4.9636, 63.9338



18.5420, 4.9636, 23.9217

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.1919, 4.9636, 63.9338



9.3646, 4.9636, 0.0000



0.0000, 4.9636, 8.5841

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.1919, 4.9636, 63.9338



50.5499, 59.9322, 8.9054

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.2089, 4.9636, 0.0000



12.1919, 4.9636, 63.9338



3.8353, 4.9636, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.1919, 4.9636, 63.9338



16.2888, 4.9636, 0.0000



1.1669, 4.9636, 0.0000



0.5081, 4.9636, 38.8969

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.1919, 4.9636, 63.9338



20.4717, 4.9636, 7.3686



1.1669, 4.9636, 0.0000



0.0000, 4.9636, 3.8247

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.1924, 4.9636, 63.9340



52.8993, 49.4928, 101.3727



35.2938, 52.5922, 67.2385



10.3755, 9.4556, 21.5282



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.1924, 4.9636, 63.9340



18.1138, 7.3475, 95.0713



17.3822, 7.5596, 64.1615



11.7653, 12.0541, 15.6441



7.3791, 3.0200, 38.6472



0.4533, 0.1987, 2.3338

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.7595, 14.3083, 1.4418



41.2722, 21.2729, 2.0995



31.0070, 51.6815, 8.3428



12.4347, 12.4254, 12.9636



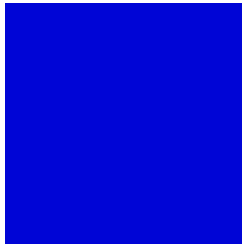
16.7835, 8.6497, 0.8980



1.0165, 0.5234, 0.0761

Previews

White Background



This preview shows how the XYZ color 12.1919, 4.9636, 63.9338 looks on a white background.

Color Contrast Check

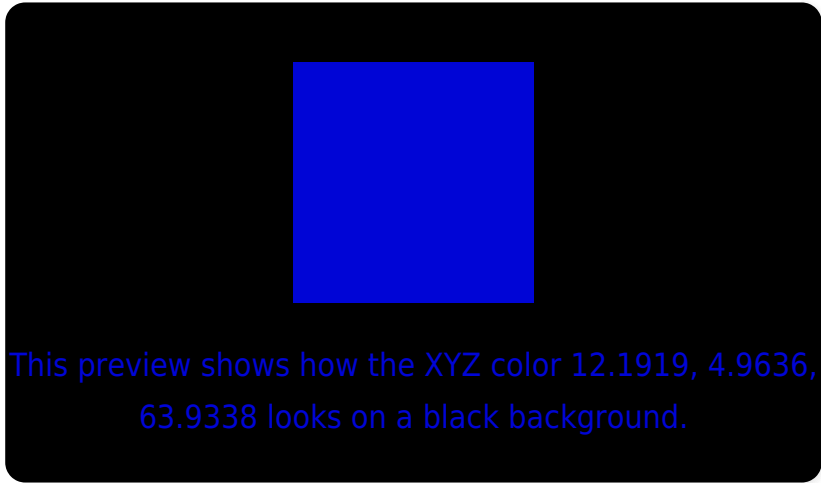
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1919, 4.9636, 63.9338

Background



This preview shows how black text looks on a background with the XYZ color 12.1919, 4.9636, 63.9338.



This preview shows how white text looks on a background with the XYZ color 12.1919, 4.9636,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.1919, 4.9636, 63.9338

Protanopia

5.8742, 5.1937, 22.1656

Deuteranopia

4.8764, 5.1620, 15.7783



Tritanopia

3.5874, 5.1427, 7.4602

Trichromacy



Original Color

12.1919, 4.9636, 63.9338

Protanomaly

7.2610, 4.2291, 34.1518

Deuteranomaly

6.2460, 3.9395, 28.4482

Tritanomaly

4.8228, 3.6203, 20.1833

Monochromacy



Original Color

12.1919, 4.9636, 63.9338

Achromatopsia

1.0418, 1.0960, 1.1936

Achromatomaly

2.5296, 1.4111, 10.9655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1919, 4.9636, 63.9338 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 5, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 5, 214)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 5, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 5, 214) }
```

Border

The CSS property to change the border of an element to XYZ 12.1919, 4.9636, 63.9338 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 5, 214) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 5, 214) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 5, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 5, 214); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 5, 214); box-shadow:4px  
4px 4px 4px rgb(0, 5, 214) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1919, 4.9636, 63.9338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 5, 214) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 5,  
214) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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